

# Pediatric Specialist Guide

*A referral guide for health care providers*



James Kasser, MD



Children's Hospital Boston

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CHILDRENSHOSPITAL.ORG

## NEUROSURGERY

The Department of Neurosurgery at Children's Hospital Boston provides highly integrated care for children with diseases and malformations of the brain, spine and nervous system. Neurological disorders often have broad-reaching effects and the department aims to understand and treat all the elements of a child's condition.

The department has expertise in the following areas:

- antenatal evaluations
- brain tumors
- complex spine
- congenital malformations of the brain and spinal cord (e.g., tethered cord and Chiari malformation)
- craniofacial anomalies or disorders
- craniosynostosis
- endoscopy
- epilepsy
- hydrocephalus
- myelodysplasia (i.e., spina bifida)
- neonatal surgery
- neuro-trauma
- pediatric stroke
- peripheral nerve and perinatal brachial plexus surgery
- radiosurgery
- spasticity and cerebral palsy
- spinal cord tumors
- sports related injuries
- vascular anomalies and malformations (e.g., AVM's, aneurysm, vein of Galen and Moyamoya syndrome)
- ventriculoscropy

The Department of Neurosurgery sees patients at our Boston campus on the second floor of the Hunnewell Building, Peabody and Waltham.

COMMUNITY	LOCATION	SCHEDULING
Boston	Children's Hospital Boston 300 Longwood Avenue, Hunnewell-2	617-355-6008
Lexington	Children's Hospital Boston at Lexington 482 Bedford Street	617-672-2100
Peabody	Children's Hospital Boston at Peabody One Essex Center Drive	978-538-3600
Waltham	Children's Hospital Boston at Waltham 9 Hope Avenue	978-355-6008

To make an appointment at any of our office locations, please call the appropriate scheduling office telephone number above or visit [childrenshospital.org/neurosurg](http://childrenshospital.org/neurosurg) and select Request an Appointment.

### Urgent Appointment Triage

#### Neurosurgery:

617-355-6008

## NEUROSURGERY

### **Scott, R. Michael, MD**

Neurosurgeon-in-Chief  
Christopher K. Fellows Family Chair in Pediatric  
Neurosurgery  
Professor, Harvard Medical School  
Children's Hospital Boston  
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**Board Certifications:** Neurological Surgery,  
Pediatric Neurosurgery

**Specialties:** arteriovenous malformation  
(AVM); brain tumors; chiari malformation;  
congenital malformations; general  
neurosurgery; moyamoya; myelodysplasia;  
pediatric stroke; vascular anomalies

### **Black, Peter M., MD, PhD, FACS**

Franc D. Ingraham Professor of Neurosurgery,  
Harvard Medical School  
Children's Hospital Boston  
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☎ 617-734-8342

**Other Office:** Boston

**Board Certifications:** Neurological Surgery

**Specialties:** brain tumors; epilepsy (including  
(including hemispherectomy); general  
neurosurgery; hydrocephalus

### **Goumnerova, Liliana C., MD**

Associate in Neurosurgery  
Associate Professor of Surgery (Neurosurgery),  
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**Other Office:** Waltham

**Board Certifications:** Neurological Surgery,  
Pediatric Neurological Surgery

**Specialties:** brain tumors; chiari  
malformation; hydrocephalus; peripheral  
nerve; spinal cord tumors;  
ventriculoscopy/endoscopy

### **Madsen, Joseph R., MD**

Director, Epilepsy Surgery Program  
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**Board Certifications:** Neurological Surgery

**Specialties:** chiari malformation; congenital  
malformations; epilepsy surgery; general  
neurosurgery; hydrocephalus

### **Orbach, Darren B., MD, PhD**

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**Other Office:** Boston

**Board Certifications:** Diagnostic Radiology,  
Neuroradiology, Neurology

**Specialties:** neuroradiology; pediatric stroke;  
vascular anomalies; vascular/interventional  
radiology

### **Proctor, Mark R., MD**

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**Other Office:** Peabody

**Board Certifications:** Neurological Surgery,  
Pediatric Neurosurgery

**Specialties:** complex spine; congenital  
malformations; craniofacial anomalies or  
disorders; craniosynostosis; general  
neurosurgery; hydrocephalus; neuro-trauma;  
sports related head and spine injury

### **Smith, Edward Robert, MD**

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**Other Office:** Peabody

**Board Certifications:** Neurological Surgery,  
Pediatric Neurosurgery

**Specialties:** arteriovenous malformation  
(AVM); brain tumors; general neurosurgery;  
hydrocephalus; moyamoya; neuro-trauma;  
pediatric stroke; vascular anomalies

### **Warf, Benjamin C., MD**

Associate in Neurosurgery  
Assistant Professor of Surgery (Neurosurgery),  
Harvard Medical School  
Children's Hospital, Boston  
☎ 617-355-6008  
☎ 617-730-0906

**Board Certifications:** Neurological Surgery,  
Pediatric Neurological Surgery

**Specialties:** chiari malformation; congenital  
malformations; hydrocephalus; spina bifida;  
ventriculoscopy/endoscopy